BRUHAT BANGLORE MAHANAGARA PALIKE

DASARAHALLI-ZONE

T.DASARAHALLI-SUB-DIVISION.

Name of Work: Improvments to Roads and Drains at 4th & 5th Cross MHR layout in Babalagunte in Ward no:14

Estimate Cost :-20.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work: Improvments to Roads and Drains at 4th & 5th Cross MHR layout in Babalagunte in Ward no:14

			Est. Cost Rs				20.00	Lakhs	
Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-1. Earthwork excavation by manual means in **Ordinary soil** involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.142/I.19.1 PW, P & IWTD -SR 2016-17)								
	4&5 Cross & One cross road MHR Layout	Cum	1	274.00	3.00	0.15	123.30		
		Cum	1	101.00	1.00	1.00	101.00		
							224.30	86.92	19496.00
	Basic Rate	82.00							
	Add Area Weightage 6%	4.92							
	Total	86.92							
2	KSRB 4-1.3: Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PWD - SR 2016-17)								
		Cum	1	101.00	1.00	0.15	15.15		
	Basic Rate	4867.00					15.15	5159.02	78159.00
	Add Area Weightage 6%	292.02							
	Total	5159.02							
3	KSRB 4-6.4 : Providing and removing **centering**, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications, Specification NO KBS 4.6.2 Page No 15/ Item No 4.31/PWD SR 2016-17								
		Sqm	4	101.00	1.00		404.00		
	Basic Rate	293.00					404.00	310.58	125474.00
	Add Area Weightage 6%	17.58							
	Total	310.58							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M1:2:4 with cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2016-17)								
		Cum	2	101.00	0.15	1.00	30.30		
	Basic Rate	5441.00					30.30	5767.46	174754.00
	Add Area Weightage 6%	326.46							
	Total	5767.46							
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2) 2016-17								
	Across Drain 10mm		890	2.75			2447.50		
	Along Drain		19	101.00			1919.00		
							4366.50	kgs	
		Tonne	1		4367	0.62	2707.23		
						Say	2.71	59413.00	160845.00
	Basic Rate	56050.00							161009.00
	Add Area Weightage 6%	3363.00							
	TOTAL	59413.00							
6	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.								
		Sqm	2	182.00	0.90		327.60		
	Data Rates						327.60	1600.00	524160.00

Sl	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRRB M400-1 For Grading I material construction of granular sub-base by providing coarse graded crushed stone aggregates of Granite/ trap/basalt material spreading in uniform layers with motir grader on prepared surface mixing by a mix in place method with rotawater at OMC, and Compacting with vibratory roller to achieve the desired density, complete as per specifications.by mix in a Place method for course Graded Granular Sub Base Material as per 400-2 for grading I material . Page No 156/ Item No. 20.6.1 PWD SR 2016-17								
	4&5 Cross & One cross road MHR Layout	Cum	1	274.00	3.50	0.10	95.90		
	Basic Rate	1433.00					95.90	1518.98	145670.00
	Add Area Weightage 6%	85.98							
	TOTAL	1518.98							
8	Providing, laying, spreading and compacting graded stone aggregates to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. Specification No. 406 with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWD SR 2016-17, P.No.158, I No.20.18)								
	4&5 Cross & One cross road MHR Layout	Cum.	1	274.00	3.50	0.23	220.57	1768.08	389985.00
	Basic Rate	1668.00							
	Add Area Weightage 6%	100.08							
	Total	1768.08							
9	Providing and applying primer coat with S.S. Bitumen emulsion on prepared surface of granular base such as WBM, WMM including clearing of road surface and spraying primer at the rate of 0.6 kg / sqm using mechanical means complete as per specifications, with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work.(PWDSR 2016-17, P.No.161, I No.21.6)								
	4&5 Cross & One cross road MHR Layout	Sqm	1	274.00	3.50		959.00		
							959.00	27.56	26430.00
	Basic Rate	26.00							
	Add Area Weightage 6%	1.56							
	Total	27.56							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
10	Providing and laying bituminous concrete with hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder and filter transporting the hot mix to work site laying with paver finisher to the required grade, level and alignment. rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per MORTH Speicification clause no 500.9 complete in all respects complete as per specification no 509. using 40/60 TPH Capacity H.M.P With Mechanical paver Gr-II (30 mm to 45 mm) with 6% VG-30 Bitumen (p-165, lt 21.22.6) PWD SR 2016-17								
	4&5 Cross & One cross road MHR Layout	Cum	1	274.00	3.50	0.05	43.16		
	Basic Rate	6859.00				0.045	43.16	7270.54	313760.00
	Add Area Weightage 6%	411.54							
	Total	7270.54							
11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 133 Item No. 17.1 PWD SR 2016-17								
		Cum	Qty Vide Item No. 1				224.30	85.65	19211.00
	Loading and	68.00						80.80	18123.99
	Lead 4 KMs	12.80							
		80.80	(2.50 × 1.28 × 4)						
	Add Area Weightage 6%	4.85							
	Total	85.65							
12	Quality control Test Charges 1%								20000.00
									2980.00
13	Miscellaneous and UnforessenCharges								2056.00
								Total	2000000.00
	(Rupees Twenty Lakhs Only)								

CERTIFICATE:-

1. The Work spot has been inspected and the work is found to be necessary
2. The Estimate is prepared as per the PW,P & IWTD -SR-2016-17
3. The Provision made in estimate are adequate and essential.
4. This area comes under BBMP limits.

Assistant Engineer
Ward 14

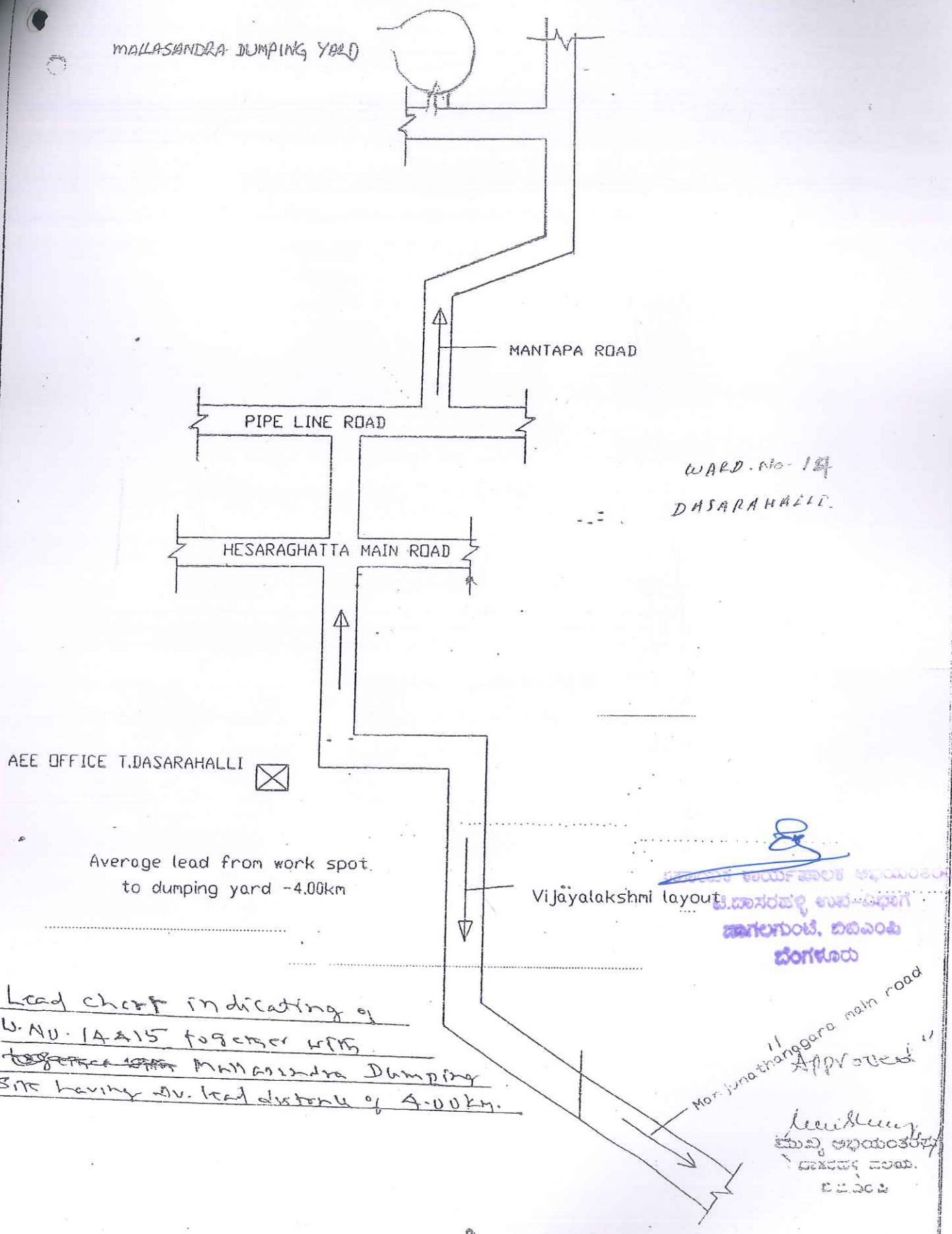
Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

ನಂ. CE/02/AS/65 ದಿನಾಂಕ : 09/01/2017 16-17
ರೂ. ಇಪ್ಪತ್ತು ಲಕ್ಷಗಳು ಮಾತ್ರ /- 20.00lakh/-
Twenty lakhs only/-
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. EE/DD/TS/92/16-17 ದಿನಾಂಕ : 10.01.17
ರೂ. Twenty lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂ... ನೀಡಿದೆ
ಕಾರ್ಯಪಾ... ಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ... ವಿಭಾಗ

LEAD CHART FOR TRANSPORTING SILT FROM WORK SPOT TO DUMPING YARD



Lead chart indicating of W.No. 14 & 15 together with Mallasandra Dumping Site having av. lead distance of 4.00km.

Assist. Engineer
Ward no.14 & 15

Assist. Executive Engineer
T.Dasarahalli Sub Division
BBMP

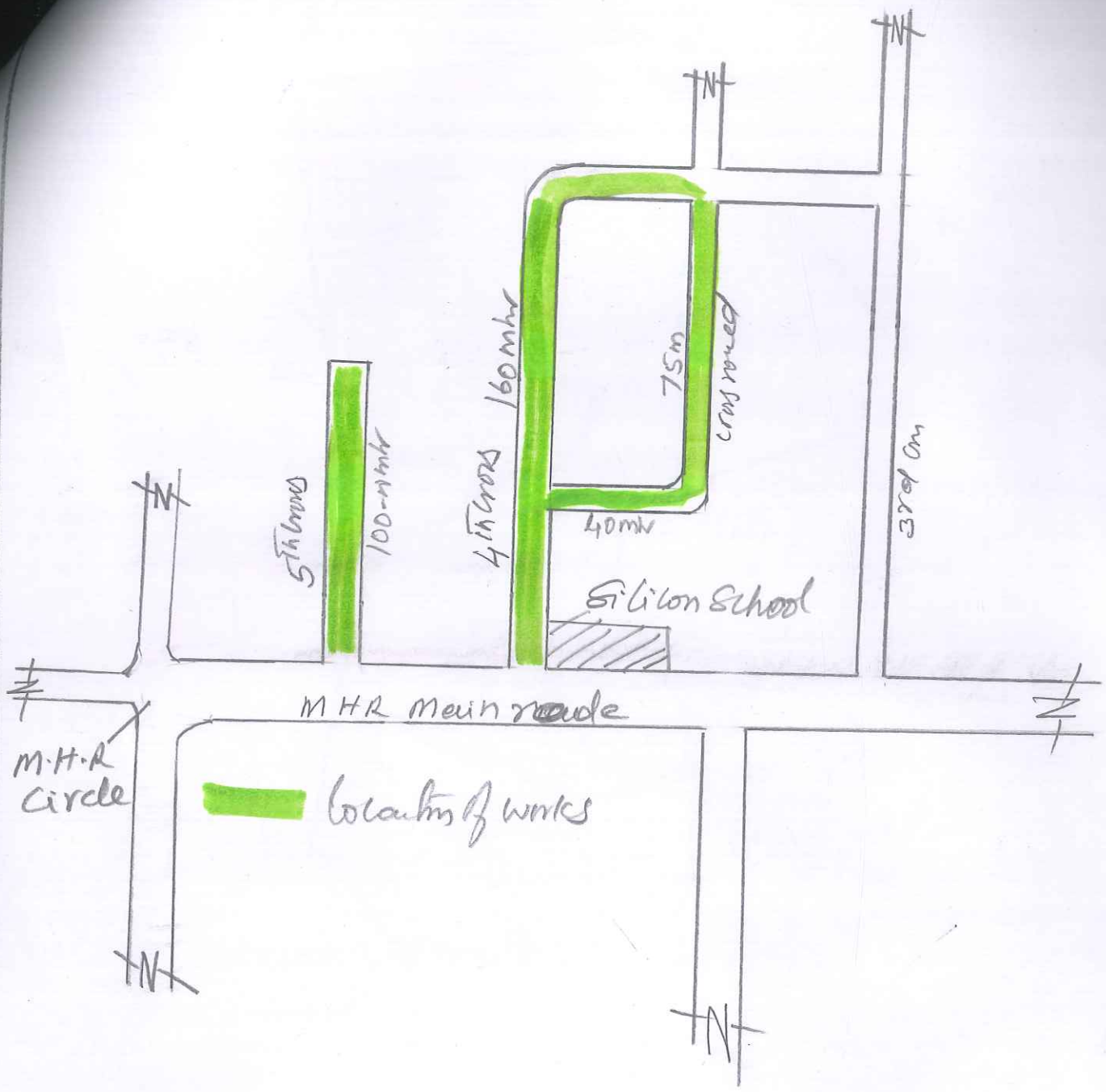
Executive Engineer
Dasarahalli Division-1
BBMP

of Work: Improvements to roads & drains at4th & 5th Cross MHR Layout in Bagalagunte Ward No 14.

Est Cost: 20.00 Lakhs.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

Work:- Improvements to roads & drain, at 4th & 5th Cross MHR layout in Bagalagunte W No 14



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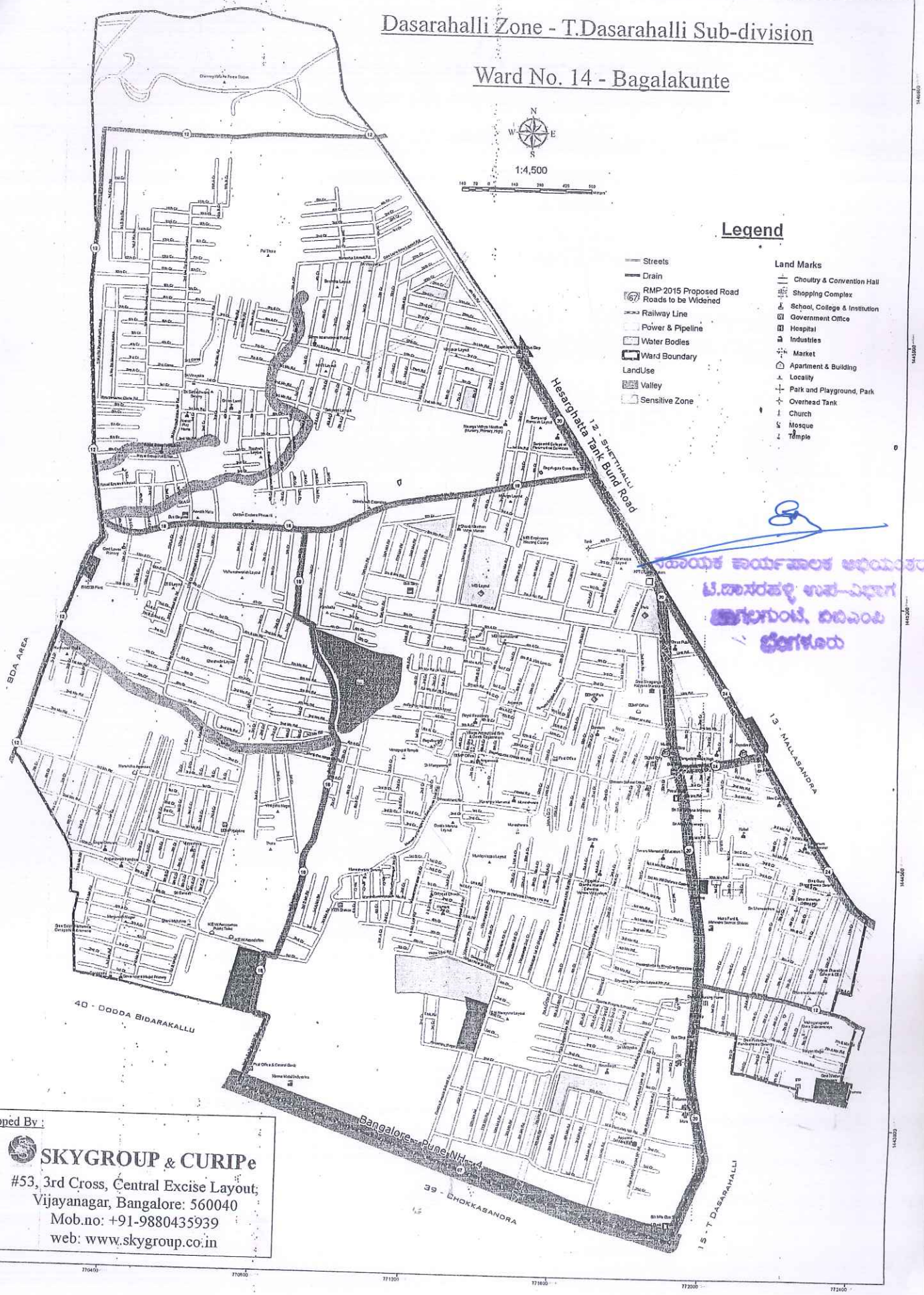
ಬೆಂಗಳೂರು

BRUHATH BANGALORE MAHANAGAR PALIKE

Dasarahalli Zone - T.Dasarahalli Sub-division

Ward No. 14 - Bagalakunte



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ಬೆಂಗಳೂರು ದಾಸರಹಳ್ಳಿ
ಬೆಂಗಳೂರು

Mapped By :

SKYGROUP & CURIPe

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